

What is claimed is:

1. An apparatus for making a hole of a first predetermined diameter in a dura of a patient for the insertion of a catheter having a second predetermined diameter, comprising:
  - a catheter having a lumen;
  - a stylet having a first end adapted for insertion in said lumen;
  - said stylet having a second end formed with a tip having a diameter having a predetermined relationship with said first predetermined diameter.
2. An apparatus as in claim 1 further comprising means for applying an electrical current to said stylet.
3. An apparatus as in claim 1 wherein said tip has a hemispherical shape.
4. An apparatus as in claim 3 wherein said hemispherical shape has a diameter and wherein said diameter of said hemispherical shape is approximately equal to said first predetermined diameter.
5. An apparatus as in claim 3 wherein said hemispherical shape has a diameter and wherein said diameter of said hemispherical shape is approximately equal to said second predetermined diameter.
6. An apparatus as in claim 1 wherein said first predetermined diameter is approximately equal to said second predetermined diameter.
7. An apparatus as in claim 1 wherein said first predetermined diameter is smaller than said second predetermined diameter.
8. An apparatus as in claim 7 wherein said first predetermined diameter is approximately fifteen percent (15%) percent smaller than said second diameter.

9. A method of making a hole of a first predetermined diameter in a dura of a patient having a cranium for the insertion of a catheter having a second predetermined diameter, comprising the steps of:
  - determining whether to create a burr hole in said cranium of said patient;
  - inserting a first end of said stylet with a tip having a diameter having a predetermined relationship with said first predetermined diameter into said burr hole of said cranium;
  - applying an electrical current to said stylet in order to cauterize said dura creating a hole in said dura approximately equal to said diameter of said tip; and
  - inserting a second end of said stylet into a lumen of a catheter with said second end of said stylet proximal to a distal end of said catheter.
10. A method as in claim 9 wherein said tip of said stylet has a hemispherical shape.
11. A method as in claim 10 wherein said hemispherical shape has a diameter and wherein said diameter of said hemispherical shape is approximately equal to said first predetermined diameter.
12. A method as in claim 10 wherein said hemispherical shape has a diameter and wherein said diameter of said hemispherical shape is approximately equal to said second predetermined diameter.
13. A method as in claim 9 wherein said first predetermined diameter is approximately equal to said second predetermined diameter.
14. A method as in claim 9 wherein said first predetermined diameter is smaller than said second predetermined diameter.
15. A method as in claim 14 wherein said first predetermined diameter is approximately fifteen percent (15%) smaller than said second diameter.